

Message Text

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C O N F I D E N T I A L STATE 060384

EXCON

EO 11652: XGDS-1

TAGS: ESTC, COCOM, US, RO

SUBJ: US OSCILLOSCOPE PROBES TO ROMANIA - IL 1584

REFS: A. COCOM DOC(73)171

B. OECD PARIS 5637

THE CONSIGNEE AS GIVEN IN COCOM DOC IS ENGAGED IN DEVELOPMENT OF RADIO PARTS AND SEMICONDUCTORS. MANY SEMICONDUCTORS USED FOR INDUSTRIAL PURPOSES HAVE FREQUENCY BANDWIDTHS WHICH EXCEED 33 MHZ, THE BANDWIDTH OF THE P6006 AND 6007 PROBES WHICH ARE SUGGESTED AS SUBSTITUTES. THE TYPE OF THE P6008 WHICH WE PROPOSED TO EXPORT IS NOT THE ENVIRONMENTALIZED VERSION AND THE TEMPERATURE RANGE IS LESS THAN THAT GIVEN IN THE BROCHURE FOR THE ENVIRONMENTALIZED VERSION. NEITHER ARE THE P6009 NOR THE P6046 PROBES ENVIRONMENTALIZED FOR THE WIDER TEMPERATURE RANGE. WE WOULD NOTE THAT THE VOLTAGE CAPACITIES OF THE P6008 AND 6009 PROBES ARE IDENTICAL TO THOSE OF THE P6006 AND 6007. BY THE NATURE OF THEIR DESIGN VOLTAGE DIVIDER PROBES ACHIEVE HIGH VOLTAGE CAPABILITIES THROUGH RESISTOR CAPACITOR CIRCUITS. THE
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TECHNOLOGY INVOLVED IN ACHIEVING HIGH VOLTAGE CAPACITY FOR THE PROBES IS READILY AVAILABLE. THE P6046 DIFFERENTIAL PROBE IS TO BE SUPPLIED WITH AN UNEMBARGOED 1 A5 DIFFERENTIAL COMPARATOR AMPLIFIER (UP TO 50 MHZ) TO EXPAND ITS DIFFERENTIAL MEASUREMENT CAPABILITIES. WITH THIS PROBE THE DIFFERENTIAL SIGNAL ADDING TAKES PLACE IN THE PROBE ITSELF RESULTING IN HIGH COMMON MODE SIGNAL REJECTION AND ASSURING DC TO 45 MHZ PERFORMANCE IN THE PROBE TIP. DIFFERENTIAL VOLTAGE MEASUREMENTS ARE PERFORMED ON MANY SEMICONDUCTOR DEVICES FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS. IF COUPLED WITH A P6046 AMPLIFIER UNIT (WHICH WE ARE NOT SUPPLYING), IT HAS THE CAPABILITY OF A DC TO 100 MHZ RANGE. WE WOULD NOTE THAT OSCILLOSCOPES OF 75 MHZ OR LESS ARE NOT EMBARGOED AND FOR A CUSTOMER TO PURCHASE A 33 MHZ PROBE AS SUGGESTED FOR USE WITH A 75 MHZ SCOPE WOULD BE TECHNICALLY INCONGRUOUS. RUSH

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*** Current Handling Restrictions *** n/a

*** Current Classification *** CONFIDENTIAL

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